

New Patent Claims

1. Switchgear, in particular relays and/or contactors with a solenoid system having an armature (8) with a yoke (1), a coil (5) and an open- and/or closed-loop control device (6) of the switchgear drive, the actual values of the drive-specific switching parameters being detected by sensors (7), characterized in that after a switching command the open- and/or closed-loop control device (6) does not affect an output quantity for controlling the coil (5), for example, the coil current (I), until at least one predefined threshold value of the switching parameters that are variable during the switching operation, for example, of the contact speed (v) and/or the contact path (s) and/or the flux ( $\Phi$ ), is attained.attained.
2. The switchgear according to Claim 1, characterized in that after a switching command, the open- and/or closed-loop control device does not affect an output quantity, for example, the coil current (I) until at least one predefined threshold value of the switching parameters, for example, the contact speed (v), is attained.
3. The switchgear according to one of the foregoing claims, characterized in that threshold values of the time (t) and/or the contact path (s) and/or the contact speed (v) and/or the coil current (I) and/or the flux ( $\Phi$ ) can be set.

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